Appl. No. 10/072,693
Amdt. dated August 31, 2006
Reply to Office Action of July 12, 2006

This listing of claims replaces all prior versions, and listings of claims in the instant application: .

Listing of Claims:

1.   (Currently Amended)   A method for notifying one or more listeners of an event in a Meta Object~~Ojbeet~~ Faciltiy (MOF) repository, the event having an event type and an event sub-type, the method including:

creating an event object for the event, the event object corresponding to the event sub-type;

calling a method for each of the listeners registered for vetoable event notification for the event type by passing said event object to listeners described in an event source interface corresponding to the event type, said method for each of the listeners registered for vetoable event notification implemented by each listener;

ending said method for notifying if a veto is received from any of said listeners registered for vetoable event notification;

performing the event, only if said veto is not received wherein performing the event comprises making a change in said MOF repository wherein said MOF repository is based on a Meta Object Facility Specification; and

calling a method for each of the listeners registered for event notification for the event type, only if said veto is not received, by passing said event object to listeners described in an event source interface corresponding to the event type, said method for each of the listeners registered for event notification implemented by each listener.

GUNNISON, McKAY &
HODGSON, L.L.P.
Garden West Office Plaza
1900 Garden Road, Suite 220
Monterey, CA 93940
(831) 655-0890
Fax (831) 655-0888

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2.   (Previously Presented)   The method of claim 1, wherein
a listener registers for event notification by passing a
registration call to a class implemented by the MOF repository
designed to track listener registrations in said event source
interface corresponding to the event type.

3.   (Previously Presented)   The method of claim 2, wherein
said class implemented by the MOF repository corresponds only
to the event type.

4.   (Previously Presented)   The method of claim 2, wherein
said class implemented by the MOF repository maintains a record
of which listener is registered for notification of which
events.

5.   (Original)   The method of claim 1, wherein the event
type is a class, instance, or association.

6.   (Original)   The method of claim 1, further including
calling a method for each of the listeners registered for event
notification for the event sub-type by passing the event object
to event sub-type listeners as indicated by a bitmask in a
combination event source interface, the method for each of the
listeners registered for event notification implemented by each
listener, wherein a listener registers for event notification
for an event type by setting a bit corresponding to the event
sub-type in a combination event source interface.

7.   (Cancelled)

8.   (Previously Presented)   The method of claim 1, wherein
a listener registers for vetoable event notification by passing
a registration call to a class implemented by the MOF

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repository designed to track listener registrations in said
event source interface corresponding to the event type.

9. (Previously Presented) The method of claim 8, wherein
said class implemented by the MOF repository corresponds only
to the event type.

10. (Original) The method of claim 8, wherein said class
implemented by the MOF maintains a record of which listener is
registered for notification of which events.

11. (Previously Presented) The method of claim 1,
further including:
    calling a method for each of the listeners registered
    for vetoable event notification for the event sub-type by
    passing the event object to event sub-type listeners as
    indicated by a bitmask in a combination event source
    interface, the method for each of the listeners registered
    for vetoable event notification implemented by each
    listener, wherein a listener registers for vetoable event
    notification for an event type by setting a bit
    corresponding to the event sub-type in a combination event
    source interface.

12. (Currently Amended) A method for notifying one or
more listeners of an event in a Meta Object~~Ojbect~~ Faciltiy
(MOF) repository, the event having an event type and an event
sub-type, the method including:
    creating an event object for the event, the event
    object corresponding to the event sub-type wherein said
    event type is included in a plurality of event types
    including an instance event, a class event, an association
    event, and a combination of events in said MOF repository

CUNNISON, MCKAY &
HODGSON, L.L.P.
Garden West Office Plaza
1900 Garden Road, Suite 221
Monterey, CA 93940
(831) 655-0880
Fax (831) 655-0888

wherein said MOF repository is based on a Meta Object
Facility Specification;

performing the event wherein performing the event
comprises making a change in said MOF repository; and

calling a method for each of the listeners registered
for event notification for the event sub-type by passing
the event object to listeners described in an event source
interface corresponding to the event type, the method for
each of the listeners registered for event notification
implemented by each listener.

13.   (Currently Amended)   A method for registering for
event notification of an event in a Meta Object~~Ojbeet~~ Faciltiy
(MOF) repository, the event having an event type, the method
including:

implementing a method for event notification
corresponding to the event type; and

passing a registration call to a class, implemented
by the MOF repository, designed to track listener
registrations in an event source interface corresponding
to the event type wherein said event type is included in a
plurality of event types including an instance event, a
class event, an association event, and a combination of
events in said MOF repository wherein said MOF repository
is based on a Meta Object Facility Specification.

14.   (Cancelled)

15.   (Cancelled)

16.   (Cancelled)

17.   (Cancelled)

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    18.   (Cancelled)

    19.   (Cancelled)

    20.   (Cancelled)

    21.   (Cancelled)

    22.   (Cancelled)

    23.   (Cancelled)

    24.   (Currently Amended))   An apparatus for registering
for event notification of an event in a Meta Object~~Ojbeet~~
Faciltiy (MOF) repository, the event having an event type, the
apparatus including:
        a listener interface implementing a method for event
    notification corresponding to the event type; and
        means for passing a registration call to a class
    implemented by the MOF repository designed to track
    listener registrations in an event source interface
    corresponding to the event type wherein said event type is
    included in a plurality of event types including an
    instance event, a class event, an association event, and a
    combination of events in said MOF repository wherein said
    MOF repository is based on a Meta Object Facility
    Specification.

    25.   (Cancelled)

26.   (Currently Amended)   An apparatus for notifying one
or more listeners of an event in a Meta Object~~Ojbeet~~ Faciltiy
(MOF) repository, the event having an event type and an event
sub-type, the apparatus including:

  means for creating an event object for the event, the
event object corresponding to the event sub-type;

  means for calling a method for each of the listeners
registered for vetoable event notification for the event
type by passing said event object to listeners described
in an event source interface corresponding to the event
type, said method for each of the listeners registered for
vetoable event notification implemented by each listener;
and

  means for ending said method for notifying if a veto
is received from any of said listeners registered for
vetoable event notification;

  means for performing the event, only if said veto is
not received wherein performing the event comprises making
a change in said MOF repository wherein said MOF
repository is based on a Meta Object Facility
Specification; and

  means for calling a method for each of the listeners
registered for event notification for the event type, only
if said veto is not received, by passing said event object
to listeners described in an event source interface
corresponding to the event type, said method for each of
the listeners registered for event notification
implemented by each listener.

27.   (Previously Presented)   The apparatus of claim 26,
wherein a listener registers for event notification by passing
a registration call to a class, implemented by the MOF
repository, designed to track listener registrations in said
event source interface corresponding to the event type.

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28.   (Previously Presented)   The apparatus of claim 27, wherein said class implemented by the MOF repository corresponds only to the event type.

29.   (Previously Presented)   The apparatus of claim 27, wherein said class implemented by the MOF repository maintains a record of which listener is registered for notification of which events.

30.   (Original)   The apparatus of claim 26, wherein the event type is a class, instance, or association.

31.   (Original)   The apparatus of claim 26, further including means for calling a method for each of the listeners registered for event notification for the event sub-type by passing the event object to event sub-type listeners as indicated by a bitmask in a combination event source interface, the method for each of the listeners registered for event notification implemented by each listener, wherein a listener registers for event notification for an event type by setting a bit corresponding to the event sub-type in a combination event source interface.

32.   (Cancelled)

33.   (Previously Presented)   The apparatus of claim 26, wherein a listener registers for vetoable event notification by passing a registration call to a class implemented by the MOF designed to track listener registrations in said event source interface corresponding to the event type.

GUNNISON. McKAY &
HODGSON, L.L.P.
Garden West Office Plaza
1900 Garden Street, Suite 220
Monterey, CA 93940
(831) 655-0880
Fax (831) 655-0888

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34. (Previously Presented) The apparatus of claim 26, wherein said class implemented by the MOF repository corresponds only to the event type.

35. (Previously Presented) The apparatus of claim 33, wherein said class implemented by the MOF repository maintains a record of which listener is registered for notification of which events.

36. (Previously Presented) The apparatus of claim 26, further including:

means for calling a method for each of the listeners registered for vetoable event notification for the event sub-type by passing the event object to event sub-type listeners as indicated by a bitmask in a combination event source interface, the method for each of the listeners registered for vetoable event notification implemented by each listener, wherein a listener registers for vetoable event notification for an event type by setting a bit corresponding to the event sub-type in a combination event source interface.

37. (Currently Amended) An apparatus for notifying one or more listeners of an event in a Meta Object~~Ojbect~~ Faciltiy (MOF) repository, the event having an event type and an event sub-type, the apparatus including:

creating an event object for the event, the event object corresponding to the event sub-type wherein said event type is included in a plurality of event types including an instance event, a class event, an association event, and a combination of events in said MOF repository wherein said MOF repository is based on a Meta Object Facility Specification;

GUNNISON, McKAY &
HODGSON, L.L.P.
Garden West Office Plaza
1900 Garden Road, Suite 220
Monterey, CA 93940
(831) 655-0880
Fax (831) 655-0888

performing the event wherein performing the event comprises making a change in said MOF repository; and

calling a method for each of the listeners registered for event notification for the event sub-type by passing the event object to listeners described in an event source interface corresponding to the event type, the method for each of the listeners registered for event notification implemented by each listener.

38.   (Currently Amended)   An apparatus for registering for event notification of an event in a Meta ObjectOjbect Faciltiy (MOF) repository, the event having an event type, the apparatus including:

means for implementing a method for event notification corresponding to the event type; and

means for passing a registration call to a class, implemented by the MOF repository, designed to track listener registrations in an event source interface corresponding to the event type wherein said event type is included in a plurality of event types including an instance event, a class event, an association event, and a combination of events in said MOF repository wherein said MOF repository is based on a Meta Object Facility Specification.

39.   (Cancelled)

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40.   (Currently Amended)   A program storage device
readable by a machine, tangibly embodying a program of
instructions executable by the machine to perform a method for
notifying one or more listeners of an event in a Meta
Object~~Ojbect~~ Faciltiy (MOF) repository, the event having an
event type and an event sub-type, the method including:
     creating an event object for the event, the event
object corresponding to the event sub-type;
     calling a method for each of the listeners registered
for vetoable event notification for the event type by
passing said event object to listeners described in an
event source interface corresponding to the event type,
said method for each of the listeners registered for
vetoable event notification implemented by each listener;
     ending said method for notifying if a veto is
received from any of said listeners registered for
vetoable event notification;
     performing the event, only if said veto is not
received wherein performing the event comprises making a
change in said MOF repository wherein said MOF repository
is based on a Meta Object Facility Specification; and
     calling a method for each of the listeners registered
for event notification for the event type, only if said
veto is not received, by passing said event object to
listeners described in an event source interface
corresponding to the event type, said method for each of
the listeners registered for event notification
implemented by each listener.

41.   (Currently Amended)   A program storage device
readable by a machine, tangibly embodying a program of
instructions executable by the machine to perform a method for
notifying one or more listeners of an event in a Meta

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Object~~Ojbect~~ Faciltiy (MOF) repository, the event having an
event type and an event sub-type, the method including:

creating an event object for the event, the event
object corresponding to the event sub-type, wherein said
event type is included in a plurality of event types
including an instance event, a class event, an association
event, and a combination of events in said MOF repository
wherein said MOF repository is based on a Meta Object
Facility Specification;

performing the event wherein performing the event
comprises making a change in said MOF repository; and

calling a method for each of the listeners registered
for event notification for the event sub-type by passing
the event object to listeners described in an event source
interface corresponding to the event type, the method for
each of the listeners registered for event notification
implemented by each listener.

42.   (Currently Amended) A program storage device
readable by a machine, tangibly embodying a program of
instructions executable by the machine to perform a method for
registering for event notification of an event in a Meta
Object~~Ojbect~~ Faciltiy (MOF) repository, the event having an
event type, the method including:

implementing a method for event notification
corresponding to the event type; and

passing a registration call to a class implemented by
the MOF designed to track listener registrations in an
event source interface corresponding to the event type
wherein said event type is included in a plurality of
event types including an instance event, a class event, an
association event, and a combination of events in said MOF
repository wherein said MOF repository is based on a Meta
Object Facility Specification.

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43.   (Cancelled)

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